

## PCT/US2005/001277

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PATENT COOPERATION TREATY  
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From the INTERNATIONAL BUREAU

PCT  
NOTIFICATION CONCERNING "LOS ANGELES"  
TRANSMITTAL OF COPY OF INTERNATIONAL  
PRELIMINARY REPORT ON PATENTABILITY  
(CHAPTER I OF THE PATENT COOPERATION  
TREATY)  
(PCT Rule 44bis.1(c))

To:

BLAKELY, SOKOLOFF, TAYLOR &amp; ZAFMAN LLP

VINCENT, Lester, J.  
Blakely Sokoloff Taylor & Zafman  
12400 Wilshire Boulevard, 7th Floor  
Los Angeles, CA 90025  
ETATS-UNIS D'AMERIQUESCANNED *mtd*  
12/12/07 *mtd*Date of mailing (day/month/year)  
21 December 2007 (21.12.2007)Applicant's or agent's file reference  
P17995PCT

## IMPORTANT NOTICE

International application No.  
PCT/US2005/001277International filing date (day/month/year)  
14 January 2005 (14.01.2005)Priority date (day/month/year)  
03 February 2004 (03.02.2004)

Applicant

INTEL CORPORATION et al

The International Bureau transmits herewith a copy of the international preliminary report on patentability (Chapter I of the Patent Cooperation Treaty)

Entered into file  
By: *mtd*The International Bureau of WIPO  
34, chemin des Colombettes  
1211 Geneva 20, Switzerland

Authorized officer

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**PATENT COOPERATION TREATY**  
**PCT**

**INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY**  
 (Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference P17995PCT	<b>FOR FURTHER ACTION</b>		See item 4 below
International application No. PCT/US2005/001277	International filing date (day/month/year) 14 January 2005 (14.01.2005)	Priority date (day/month/year) 03 February 2004 (03.02.2004)	
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237			
Applicant INTEL CORPORATION			

<ol style="list-style-type: none"> <li>1. This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis.1(a).</li> <li>2. This REPORT consists of a total of 6 sheets, including this cover sheet. In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.</li> </ol>																
<ol style="list-style-type: none"> <li>3. This report contains indications relating to the following items:             <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%; text-align: center; padding: 5px;"><input checked="" type="checkbox"/></td> <td style="width: 85%; text-align: left; padding: 5px;">Box No. I Basis of the report</td> </tr> <tr> <td style="text-align: center; padding: 5px;"><input type="checkbox"/></td> <td style="width: 85%; text-align: left; padding: 5px;">Box No. II Priority</td> </tr> <tr> <td style="text-align: center; padding: 5px;"><input type="checkbox"/></td> <td style="width: 85%; text-align: left; padding: 5px;">Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</td> </tr> <tr> <td style="text-align: center; padding: 5px;"><input type="checkbox"/></td> <td style="width: 85%; text-align: left; padding: 5px;">Box No. IV Lack of unity of invention</td> </tr> <tr> <td style="text-align: center; padding: 5px;"><input checked="" type="checkbox"/></td> <td style="width: 85%; text-align: left; padding: 5px;">Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</td> </tr> <tr> <td style="text-align: center; padding: 5px;"><input checked="" type="checkbox"/></td> <td style="width: 85%; text-align: left; padding: 5px;">Box No. VI Certain documents cited</td> </tr> <tr> <td style="text-align: center; padding: 5px;"><input type="checkbox"/></td> <td style="width: 85%; text-align: left; padding: 5px;">Box No. VII Certain defects in the international application</td> </tr> <tr> <td style="text-align: center; padding: 5px;"><input type="checkbox"/></td> <td style="width: 85%; text-align: left; padding: 5px;">Box No. VIII Certain observations on the international application</td> </tr> </table> </li> </ol>	<input checked="" type="checkbox"/>	Box No. I Basis of the report	<input type="checkbox"/>	Box No. II Priority	<input type="checkbox"/>	Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability	<input type="checkbox"/>	Box No. IV Lack of unity of invention	<input checked="" type="checkbox"/>	Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement	<input checked="" type="checkbox"/>	Box No. VI Certain documents cited	<input type="checkbox"/>	Box No. VII Certain defects in the international application	<input type="checkbox"/>	Box No. VIII Certain observations on the international application
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<input type="checkbox"/>	Box No. VII Certain defects in the international application															
<input type="checkbox"/>	Box No. VIII Certain observations on the international application															
<ol style="list-style-type: none"> <li>4. The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis.2).</li> </ol>																

Date of issuance of this report 06 December 2007 (06.12.2007)	
The International Bureau of WIPO 74, chemin des Colombettes 1211 Geneva 20, Switzerland  Facsimile No. +41 22 338 82 70	Authorized officer  Agnes Wittmann-Regis e-mail: pt06.pct@wipo.int

# PATENT COOPERATION TREATY

From the  
INTERNATIONAL SEARCHING AUTHORITY

PCT

## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1)

To:  see form PCT/ISA/220		Date of mailing (day/month/year) see form PCT/ISA/210 (second sheet)
Applicant's or agent's file reference see form PCT/ISA/220		<b>FOR FURTHER ACTION</b> See paragraph 2 below
International application No. PCT/US2005/001277	International filing date (day/month/year) 14.01.2005	Priority date (day/month/year) 03.02.2004
International Patent Classification (IPC) or both national classification and IPC G06F3/14		
Applicant INTEL CORPORATION		
<p>1. This opinion contains indications relating to the following items:</p> <p><input checked="" type="checkbox"/> Box No. I Basis of the opinion  <input type="checkbox"/> Box No. II Priority  <input type="checkbox"/> Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability  <input type="checkbox"/> Box No. IV Lack of unity of invention  <input checked="" type="checkbox"/> Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement  <input checked="" type="checkbox"/> Box No. VI Certain documents cited  <input type="checkbox"/> Box No. VII Certain defects in the International application  <input type="checkbox"/> Box No. VIII Certain observations on the International application</p> <p>2. <b>FURTHER ACTION</b></p> <p>If a demand for international preliminary examination is made, this opinion will usually be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA"). However, this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.</p> <p>If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of three months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.</p> <p>For further options, see Form PCT/ISA/220.</p> <p>3. For further details, see notes to Form PCT/ISA/220.</p>		

Name and mailing address of the ISA:	Authorized Officer
 European Patent Office - P.O. 5818 Patentlaan 2 NL-2280 HV Rijswijk - Pays Bas Tel. +31 70 340 - 2040 Tx: 31 651 epc nl Fax: +31 70 340 - 3016	 Gonzalez Ordóñez, O Telephone No. +31 70 340-3529

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.  
PCT/US2005/001277

**Box No. I Basis of the opinion**

1. With regard to the **language**, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.  
 This opinion has been established on the basis of a translation from the original language into the following language , which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
  - a. type of material:  
 a sequence listing  
 table(s) related to the sequence listing
  - b. format of material:  
 in written format  
 in computer readable form
  - c. time of filing/furnishing:  
 contained in the international application as filed.  
 filed together with the international application in computer readable form.  
 furnished subsequently to this Authority for the purposes of search.
3.  In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**

International application No.  
PCT/US2005/001277

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**Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or  
Industrial applicability; citations and explanations supporting such statement**

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**1. Statement**

Novelty (N)	Yes: Claims	1-20
	No: Claims	
Inventive step (IS)	Yes: Claims	
	No: Claims	1-20
Industrial applicability (IA)	Yes: Claims	1-20
	No: Claims	

**2. Citations and explanations**

**see separate sheet**

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**Box No. VI Certain documents cited**

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1. Certain published documents (Rules 43bis.1 and 70.10)  
and / or
2. Non-written disclosures (Rules 43bis.1 and 70.9)  
**see form 210**

**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING  
AUTHORITY (SEPARATE SHEET)**

International application No.

PCT/US2005/001277

**Re Item V**

**Reasoned statement with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

Reference is made to the following document/s/:

D1: [Online] 13 October 1999 (1999-10-13), XP002343889 Retrieved from the Internet: URL:<http://www.thedirks.org/v4l2/v4l2cod.htm> [retrieved on 2005-08-29]

D2: US 2003/117382 A1 (PAWLOWSKI STEPHEN S ET AL) 26 June 2003 (2003-06-26)

**1. Inventive step**

1.1 The present application does not meet the criteria of Article 33(1) PCT, because the subject-matter of independent claims 1, 7, 11, 15 and 18 do not involve an inventive step in the sense of Article 33(3) PCT.

1.2 The document D1 is regarded as being the closest prior art to the subject-matter of claims 1, 7, 11, 15 and 18, discloses a software specification and API for handling video codec devices. The API includes support for querying the capabilities of the codec (page 1, paragraph "Query Capabilities"), for querying the supported image conversions (page 1, paragraph "Enumerating Supported Image Conversions") and includes write() calls for sending converted data to the driver (page 1, paragraph "Devices"). It is understood that the physical implementation of an API consists of instructions stored in a storage medium.

The use of drivers for transmitting decoded signals to a display is also widely known in the field of computing. The use of memory coupled to a processor and an Ethernet card interoperating with both is a standard in any network-capable computer.

Therefore, the subject-matter of independent claims 1, 7, 11, 15 and 18 differs from the prior art in that the driver can work with different codecs at different periods of time without altering its default configuration.

The problem to be solved by the present invention can be regarded as reducing the

**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING  
AUTHORITY (SEPARATE SHEET)**

International application No.

PCT/US2005/001277

configuration overhead necessary for having a driver use a new codec.

The solution proposed in claims 1, 7, 11, 15 and 18 of the present application cannot be considered as involving an inventive step (Article 33(3) PCT) for the following reasons:

The API described in D1 has means (software calls) especially designed to enable an application (such as a driver) to query a codec and obtain configuration information from it, such as its capabilities and its supported image conversions. A programmer skilled in the art of writing display drivers, can incorporate these readily available calls in a display driver, as a matter of simple choice, therefore enabling the driver to obtain its configuration information directly from any compatible codec without resorting to a new software configuration for each change of codec.

1.3 Concerning dependent claims 2, 3, 8, 9 and 14, D2 describes a video display controller which dynamically configures itself to work with a display panel, in response to parameters received from the display panel (page 2, paragraph [0024]). Detecting the display technology - Cathode Ray Tube (CRT), Liquid Crystal Display (LCD), Organic Light-Emitting Diode (OLED) display, etc, is one of the capabilities of the video display controller described in D2. A programmer skilled in the art can implement a software emulation of this video display controller without inventive step being involved.

1.4 Dependent claims 4 - 6, 10, 12, 13 16, 17, 19 and 20 do not contain any features which, in combination with the features of any claim to which they refers, meet the requirements of the PCT in respect of novelty and/or inventive step, see documents D1, D2 and the corresponding passages cited in the search report.